CLAY GRABBER®

SHALE STABILIZER

Product Description
CLAY GRABBER® shale stabilizer is a liquid emulsion synthetic polymeric flocculent and clay encapsulator. CLAY GRABBER unique polymer structure reduces shale dispersion and helps stabilize water sensitive shales. CLAY GRABBER shale stabilizer is well suited for use in polymer based fluids at pH below 10 and works well in fresh water, sea water, and monovalent brines. CLAY GRABBER shale stabilizer is stable up to 300°F (149°C).

Applications/Functions
» Primary component in the HYDRO-GUARD® system
» Stable to 300 °F (149 °C)
» Potent total flocculant when small amounts of calcium (>80 and <600 ppm) are present
» Helps inhibit shale hydration and stabilize troublesome shales
» Encapsulates shale and blocks water-absorption when used with CLAY SYNC™ II™ shale stabilizer in salt water systems

Advantages
» Can be used in fresh water or monovalent brines
» Easily mixed with rapid yield
» Aids flocculating thereby lowering MBT and colloidal content
» Helps lubricate filter cake and improve cuttings integrity

Typical Properties
» Appearance: Opaque liquid
» Specific Gravity: 1.02 – 1.06
» pH, (1% aqueous solution): 6.5 to 7.5
» Concentration, (% active polymer): 35 to 40

Recommended Treatment
For best results CLAY GRABBER shale stabilizer should be mixed through a high shear hopper
- 0.5–1.0 lb/bbl (1.4-2.9 kg/m³) in the HYDRO-GUARD system.
- 0.25-0.5 lb/bbl (0.7-1.4 kg/m³) as a selective flocculant for clear water drilling.
- 0.5-1.0 lb/bbl (1.4-2.9 kg/m³) for troublesome shales in a water-based system.

Floors and decks in mixing area can become slippery. Use 10% sodium hypochlorite for clean up.

Packaging
CLAY GRABBER shale stabilizer is packaged in 5-gal (18.9-l) pails containing 42-lb (19.1-kg) net weight and in 275-gal (1041-l) tote tanks containing 2300-lb (1043-kg) net weight.